

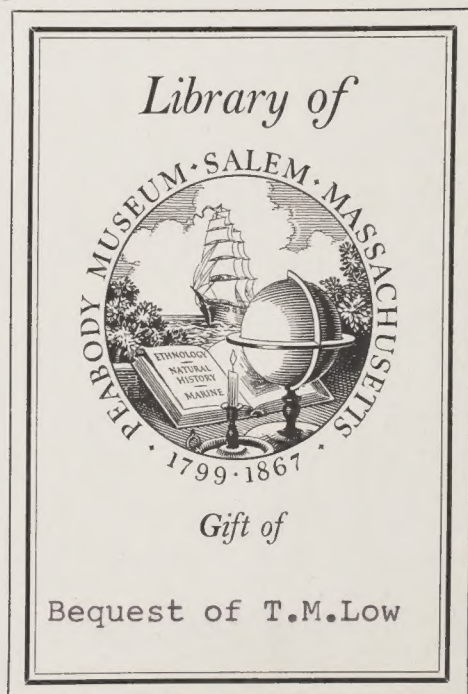
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U. B. Palmer (12 v)

Samuel Russell

Jacob Bell



Abstract Log of Ship "Jacob Bell" Chas. P. Low

1859 Date	Lat North	Long West	Course	Dist	Whole Dist	Bar	Air	Water	Days out	1st Part	Middle
Jan'y 20 th	39° 53'	70° 53'	S 79° E	154	154	30° 40'	48°	44°	1	Str	South
" 21 st	39° 15'	65° 40'	S 78° E	220	374	30° 40'	49°	44°	2	S Str	S Str
" 22 nd	39° 16'	60° 50'	East	220	594	30° 40'	58°	50°	3	S Str	S Str
" 23 rd	38° 32'	56° 56'	S 79° E	180	774	30° 40'	62°	60°	4	S Str	S Str
" 24 th	39° 36'	53° 00'	N 79° E	190	964	30° 40'	62°	60°	5	Str by S	Str by S
" 25 th	39° 37'	52° 20'	East	35	999	30° 50'	63°	60°	6	S Str	N E
" 26 th	37° 47'	49° 44'	S 68° E	152	1151	30° 50'	63°	61°	7	S by W	W N W
" 27 th	37° 42'	48° 00'	S 57° E	80	1231	30° 50'	64°	63°	8	East	E S E
" 28 th	38° 08'	43° 12'	N 86° E	230	1461	30° 50'	64°	64°	9	S Str	S Str
" 29 th	37° 48'	41° 59'	S 75° E	50	1511	30° 50'	64°	64°	10	South	S by E
" 30 th	36° 24'	42° 24'	S 77° W	90	1601	30° 50'	65°	65°	11	S E	S S E
" 31 st	34° 31'	43° 9'	S 17° W	112	1713	30° 50'	65°	65°	12	S by E	S by E
Feb'y 1 st	34° 29'	41° 47'	East	68	1781	30° 60'	65°	65°	13	S S E	S S E
" 2 nd	35° 26'	39° 32'	N 60° E	122	1903	30° 70'	64°	65°	14	S S E	S S E
" 3 rd	35° 7'	37° 34'	S 75° E	102	2005	30° 80'	64°	65°	15	S Str	S Str
" 4 th	33° 20'	37° 44'	S 4° W	110	2115	30° 90'	65°	66°	16	S S E	S S E
" 5 th	29° 8'	36° 52'	S 11° E	260	2375	30° 70'	66°	68°	17	E N E	E N E
" 6 th	25° 13'	36° 12'	S 11° E	240	2615	30° 50'	68°	68°	18	E by W	E by W
" 7 th	21° 13'	35° 45'	S 6° E	240	2855	30° 30'	68°	72°	19	E by W	E by W
" 8 th	17° 12'	34° 13'	S 18° E	260	3115	30° 20'	72°	73°	20	E by W	E by W
" 9 th	13° 47'	32° 45'	S 22° E	220	3335	30° 20'	72°	73°	21	E by W	E by W
" 10 th	11° 5'	30° 46'	S 32° E	204	3539	30° 10'	74°	74°	22	E N E	E N E
" 11 th	8° 12'	28° 51'	S 30° E	205	3744	30° 10'	74°	78°	23	E N E	E N E
" 12 th	5° 47'	27° 24'	S 28° E	174	3918	30° 00'	80°	80°	24	N E	N E
" 13 th	3° 24'	26° 4'	S 28° E	164	4082	30° 00'	82°	80°	25	N N E	E N E
" 14 th	1° 17'	25° 45'	S 20° E	130	4212	30° 00'	82°	82°	26	N E to W	N E
" 15 th	0° 11'	25° 00'	S 33° E	82	4294	30° 00'	82°	82°	27	North	East
" 16 th	0° 34' South	24° 19'	South	45	4339	30° 00'	84°	82°	28	North	North
" 17 th	1° 46'	24° 22'	South	72	4411	30° 00'	84°	82°	29	West to North	West
" 18 th	2° 47'	24° 51'	S 22° W	68	4479	30° 00'	84°	82°	30	West	West

Commander from New York towards Hong Kong.

Traiter	Remarks.
Sby E	Moderate breeze & fine weather.
S S W	Fresh breeze - Hard Gale.
S S W	Fresh breeze & high sea.
S by W	Heavy Gale & high sea.
S by S	Heavy Gale - ship under close reef.
N E by W	Heavy Gale - middle part wind shifts to N E
East	Moderate breeze nearly calm.
S S W	Moderate - close reef - Moderate -
S by W	Fresh - moderate -
S by W	Light breeze - calm.
S S E	Moderate whole sail breeze -
S by E	Fresh breeze - double reef'd -
S S E	Double reef topsail breeze
S S E	Fresh Gale with heavy squalls. here too for 2 hours.
South	Set double reef topsails - strong breeze - all sail set.
S S E	Moderate breeze - all sail set sharp on a wind.
E N E	Fine breeze from E N E
E by W	Fine trades. single reef - heavy sea -
E by W	Fresh trades -
E by W	Fresh trades -
E by W	Fresh trades -
E N E	Fresh trades & cloudy - set stunsail for 1 st time
N E by E	Light trades & cloudy. Moderate & clear.
N E	Light trades & pleasant. all stunsails set for 24 hours.
N E	Light trades & pleasant.
East to W	Light & baffling. rain from midnight till 8 am
North	Light & baffling airs.
North	" " "
North	" " "
S E to East	" " "

Abstract Log of Ship "Jacob Bell" Chas. P. Low

1859 Date	Lat th South	Long th West	Course	Dist	Whole Dist	Bar	Air	Water	Days out	Part	Middle
Feb'y 19 th	5° 25'	26° 41'	S 35° W	195	4674	30° 10'	84°	82°	31	S E	S E by S
" 20 th	8° 29'	28° 21'	S 28° W	214	4888	30° 10'	84°	82°	32	S S E	S E by S
" 21 st	12° 21'	29° 44'	S 16° W	245	5133	30° 10'	82°	80°	33	S E by S	S E
" 22 nd	16° 20'	30° 8'	S 5° W	245	5378	30° 20'	82°	80°	34	E S E	S E by E
" 23 rd	19° 7'	29° 54'	S 4° E	162	5540	30° 20'	85°	82°	35	S E by E	E S E
" 24 th	22° 9'	29° 7'	S 13° E	188	5728	30° 20'	83°	82°	36	E S E	East
" 25 th	24° 34'	28° 13'	S 16° E	158	5886	30° 30'	84°	80°	37	E S E	East
" 26 th	25° 31'	27° 8'	S 38° E	82	5968	30° 30'	86°	82°	38	N E	North
" 27 th	26° 54'	25° 47'	S 40° E	115	6083	30° 20'	82°	80°	39	N E	calm
" 28 th	28° 31'	22° 40'	S 60° E	196	6279	30° 20'	80°	78°	40	N E by E	N E
Mch 1 st	30° 3'	19° 2'	S 64° E	213	6492	30° 30'	78°	76°	41	N E	N E
" 2 nd	31° 36'	16° 00'	S 60° E	186	6678	30° 30'	76°	73°	42	E N E	N E by E
" 3 rd	33° 17'	12° 3'	S 63° E	224	6902	30° 20'	74°	72°	43	N E by E	E N E
" 4 th	34° 48'	7° 41'	S 68° E	243	7145	30° 10'	74°	70°	44	N E by E	N E by E
" 5 th	36° 11'	4° 20'	S 62° E	190	7335	30° 00'	69°	67°	45	N E by E	N E by E
" 6 th	37° 19'	0° 36'	S 76° E	250	7585	29° 40'	67°	64°	46	N E by E	N E
" 7 th	38° 29'	5° 56'	S 74° E	266	7851	30° 00'	62°	63°	47	North	N N W
" 8 th	38° 47'	8° 42'	S 80° E	135	7986	30° 25'	64°	65°	48	N S W	West
" 9 th	39° 9'	12° 35'	S 82° E	185	8171	30° 25'	59°	65°	49	N N W	N N W
" 10 th	39° 14'	13° 48'	S 86° E	62	8233	30° 10'	64°	65°	50	S W	calm
" 11 th	40° 43'	18° 27'	S 68° E	248	8481	29° 40'	67°	66°	51	E N E	East
" 12 th	41° 28'	22° 57'	S 74° E	211	8692	30° 00'	72°	71°	52	N E by E	N N E
" 13 th	41° 10'	25° 30'	N 81° E	120	8812	29° 80'	69°	68°	53	N W	North
" 14 th	41° 15'	29° 12'	S 88° E	176	8988	29° 75'	65°	63°	54	N W	North
" 15 th	41° 28'	34° 25'	S 87° E	242	9230	30° 10'	59°	61°	55	North	N N W
" 16 th	41° 26'	36° 39'	N 89° E	100	9330	30° 00'	65°	59°	56	N S W	calm
" 17 th	41° 41'	38° 50'	S 81° E	100	9430	30° 00'	59°	58°	57	N E	N W
" 18 th	40° 53'	44° 28'	N 79° E	258	9688	30° 15'	49°	57°	58	S S W	S S W
" 19 th	40° 53'	50° 78'	East	275	9963	30° 10'	55°	64°	59	N S W	N S W
" 20 th	40° 35'	56° 4'	N 86° E	275	10238	30° 10'	52°	63°	60	N N W	N N W

Abstract Log of Ship "Jacob Bell" Chas. P. Low

1889 Date	Lat South	Long East	Course	Dist	Whole Dist	Bar	Air	Water	Days Out	Part	Middle
March 21 st	40° 07'	60° 07'	N 81° E	188	10426	30.30	57°	62°	61	N S W	S W
" 22 nd	40° 11'	63° 1'	S 88° E	130	10556	30.20	62°	63°	62	Calm	N E
" 23 rd	40° 7'	68° 14'	N 88° E	245	10801	30.20	59°	60°	63	N W	N S W
" 24 th	40° 5'	74° 20'	East	276	11077	29.70	64°	60°	64	N S W	N W
" 25 th	40° 5'	78° 40'	East	200	11277	29.50	64°	56°	65	N W	N W
" 26 th	38° 46'	81° 26'	N 87° E	148	11435	29.90	Broke	Therm.	66	West	West
" 27 th	36° 28'	86° 50'	N 62° E	300	11725	30.10			67	N S W	N W
" 28 th	34° 20'	90° 20'	N 50° E	210	11935	30.20			68	N W	N W
" 29 th	32° 47'	92° 33'	N 50° E	154	12089	30.30			69	N W	West
" 30 th	31° 54'	94° 51'	N 65° E	122	12211	30.20			70	Calm	N by E
" 31 st	29° 26'	97° 20'	N 40° E	197	12408	30.10			71	N W	N W
April 1 st	26° 59'	98° 57'	N 28° E	172	12580	30.20			72	S S W	S S W
" 2 nd	23° 46'	100° 00'	N 16° E	206	12786	30.25			73	S S W	S E
" 3 rd	20° 6'	101° 6'	N 14° E	226	13012	30.20			74	E S E	E S E
" 4 th	16° 5'	102° 17'	N 14° E	258	13270	30.15			75	E S E	E by S
" 5 th	12° 35'	102° 57'	N 12° E	218	13488	30.10			76	East	East
" 6 th	8° 58'	103° 21'	N 5° E	220	13708	30.00			77	E by W	E by W
" 7 th	7° 59'	103° 53'	N 25° E	68	13776	30.00			78	E N E	N N E
" 8 th	7° 28'	104° 42'	N 52° E	46	13822	30.00			79	Calm	E by S
" 9 th	7° 7'	105° 00'	N 28° E	30	13852	30.00			80	Calm	Calm
" 10 th	6° 27'	104° 52'	N 16° W	34	13886	30.00			81	E by S	N E by W
" 11 th	6° 28'	105° 57'	East	40	13926	29.90			82	N N E	N E
" 12 th	6° 15'	105° 35'	N 22° E	14	13940	29.90			83	N N E	Calm
" 13 th									84		
" 14 th									85		
" 15 th	5° 36'	106° 8'	N 24° E	32	13972	30.00			86	East	S E
" 16 th	5° 26'	106° 13'	N 22° E	12	13984	30.00			87	East	East
" 17 th	5° 20'	106° 16'	North	5	13989	30.00			88	East	East
" 18 th	3° 52'	106° 49'	N 22° E	112	14101	30.00			89	S W	South
" 19 th	3° 40'	106° 28'	N 22° W	19	14120	30.00			90	East	East

Commander from New York towards Hong Kong

T.atter

Remarks.

S E	Strong breeze & high sea. Moderate & cloudy - Light airs.
N W	Calm - Light - Fresh with rain squalls.
N S W	Fresh - shift to N S W. Strong M. I. G. Breeze & squally.
N N W	Fresh & squally - double reef - Fresh Gale & high sea.
West	Fresh gale - Moderate with threatening weather -
N S W	Rainy with uncertain weather. 4 P.M. heavy squall of rain Thunder & Lightning
N N W	Strong breeze & cloudy. Fresh - Strong M. I. G. Breeze & squally.
N N W	Fresh breeze - Moderate & cloudy - Light breeze clear & warm.
N W	Light & cloudy - Light airs & calm - heavy dew
North	Calm - Light - Moderate - heavy dew
N W	Moderate & fine - very damp.
S S W	2 P.M. sudden shift to S S W. Light breeze with heavy swell
E S E	Light & cloudy - Moderate trades
E S E	Moderate trades -
E by S	Fine trades & pleasant.
East	Moderate & cloudy.
E by W	Moderate & Pleasant.
N N E	Light & baffling - with light rain squalls.
Calm	Calm - Light airs - made Java Head at 6 am.
Calm	Light airs from East - N W - N E
N E	Light breeze - hove too off Java Head. calm - Moderate breeze. S.W. current.
E S E	Light - Moderate - Strong current setting S.W.
N E	Fresh breeze. S.E. squall. At Anchor in Anjer
	At Anchor
	At noon got underway & proceeded on the voyage.
N E	Light airs & calm.
East	" " "
East	" " "
East	Light breeze & fine weather.
East	Light airs & calm

70 Abstract Log of Ship "Jacob Bell" Cha. P. Low

[illegible]

172 Abstract Log of Ship "Jacob Bell" Chas. P. Low

1859		Latitude		Longitude		Miles		Days		S. Low	
Date	Lat	Long	Course	Dist	Dist	Bar	Wind	Water	Days	Lat	Long
June 9 th	22° 24'	118° 57'	N 75° E	102	102	27.80			1	N 75°	N 75°
" 10 th	23° 41'	118° 35'	N 62° E	168	267	30.00			2	S 70°	S 70°
" 11 th	25° 50'	120° 12'	N 44° E	167	434	30.00			3	S 70°	N 70°
" 12 th									4		
" 13 th									5		
" 14 th									6		
" 15 th									7		
" 16 th									8		
" 17 th									9		
" 18 th									10		

Commenced from Long Hong towards the Chow
 Sutter. *Went back.*

At 10 AM The Aschda River. Light breeze.

Only 1 Light breeze & fine. Light & cloudy.

At 3 PM Fresh breeze fine weather. Sutter sent fresh breeze with hard rain. *These mfgs.*

At 4 PM made the White Dog, & put a lot on outside till 10 PM, then
 came to dinner. If the Sutter was in 10 PM, then water.

At 10 PM got under weigh & presented over the bar. mind of being
 come to Bunker. At 11 PM got under weigh & lashed on the inner
 bar but did no damage.

Employed working up the River to Taga. In Bunker.
 Came to our meeting at 11 PM on the 10th.

Abstract Log of Ship "Jacob Bell" Chas. S. Low

1854 Date	Lat ^{North}	Long ^{West}	Course	Dist	^{whole} Dist	Bar	Air	Water	^{Days} out	Port	Middle
Aug 25 th	24° 57'	122° 8'	S 52° E	126	126	30.00			1	S. S. W.	West
" 26 th	28° 23'	122° 38'	S 16° E	120	246	30.00			2	N. E.	East
" 27 th	21° 54'	121° 51'	S 28° W	90	336	30.00			3	N. E.	North
" 28 th	20° 29'	118° 36'	S 68° W	249	585	29.70			4	N. N. E.	North
" 29 th	19° 6'	117° 34'	S 35° W	98	683	29.50			5	N. W.	N. W.
" 30 th	19° 47'	116° 17'	N 66° W	85	768	29.70			6	West	N. S. W. - S. W.
" 31 st	22° 00'	114° 30'	N 57° W	160	933	24.80			7	S. S. W.	S. S. W. - S. W.

Commodore from Lt. Col. Lewis Thompson
Dallor - - - - -

1899

N. H. Wednesday proceeded to sea. Saw 1 dead Whale Dog & 1 dead South. Fresh breeze, smooth
 sea, light breeze, calm weather and a fine day. Light breeze.
 S. E. Fresh breeze & fine weather. Light breeze & fine weather.
 N. H. & Light breeze & pleasant. At 10 dark & squally weather. Doubtful night.
 N. W. Fresh breeze & fine. At 10 fresh breeze & fine. At 11 passed the North Star.
 N. H. & W. Commenced fresh breeze with rain falling and every where was of
 a typhoon. Saw 1 dead Whale Dog in dark. At 11 dark night. At 12
 S. E. & W. rose and the typhoon wind the storm set in & expanded. Wind
 from strong rain, ran away from the center by blowing away
 to the sea at 10, 11 & found them. From here too to
 let it pass to the south of us.
 Aug 26th Windy weather with heavy rain & strong breeze
 at 11 the wind set in. At 12 fine weather.
 Aug 27th Fine breeze at 11. At 12 a light breeze. At 13
 in Hong Kong.

Abstract Log of Ship 'Jacob Bell' Chas. F. Low

1859	Date	Lat ^N	Long ^W	Course	Dist	Whole ^{Dist}	Bar	Air	Water	Waves ^{out}	Sea	Middle
Oct	13 th	19° 21'	111° 54'	S 29° W	194	194	30° 00	82°	84°	1	E by S	E N E
"	14 th	18° 58'	110° 17'	S 24° W	228	422	29° 50	82°	83°	2	N E	N N E
"	15 th	17° 18'	109° 38'	S 22° W	108	530	29° 40	82°	83°	3	E S E	S W
"	16 th	12° 39'	109° 42'	S 3° E	96	626	29° 50	85°	83°	4	S E	West
"	17 th	10° 50'	110° 3'	S 11° E	110	736	29° 50	85°	83°	5	S S E	S S W
"	18 th	7° 29'	109° 30'	S 9° W	90	826	29° 40	84°	82°	6	N S W	N by S
"	19 th	6° 31'	110° 1'	S 5° E	190	1016	30° 00	83°	82°	7	N by S	N by S
"	20 th	5° 10'	110° 00'	South	72	1088	30° 00	84°	84°	8	S W	S W
"	21 st	4° 13'	110° 5'	S 5° E	53	1146	30° 00	85°	84°	9	S W	S W
"	22 nd	3° 52'	109° 28'	S 62° W	43	1189	30° 00	85°	84°	10	Calm	N W
"	23 rd	5° 32'	108° 57'	S 62° W	40	1229	30° 00	82°	84°	11	Calm	N E
"	24 th	3° 12'	109° 00'	S 22° E	20	1249	30° 00	82°	84°	12	Calm	N S W
"	25 th	3° 5'	108° 26'	S 70° W	28	1277	30° 00	85°	85°	13	Calm	Calm
"	26 th	2° 12'	108° 4'	S 28° W	62	1339	30° 00	82°	84°	14	S E	East
"	27 th	1° 35'	107° 58'	S 15° W	38	1377	30° 00	86°	84°	15	Calm	Calm
"	28 th	0° 12'	107° 57'	South	107	1484	30° 00	82°	84°	16	N N W	N S W
"	29 th	0° 46'	107° 42'	S 24° W	38	1522	30° 00	84°	84°	17	N S W	S S E
"	30 th	1° 36'	107° 38'	S 3° W	50	1572	30° 00	86°	84°	18	S E	Calm
"	31 st	2° 13'	107° 8'	S 40° W	47	1619	30° 00	87°	84°	19	Calm	S E
Nov	1 st	2° 35'	107° 13'	S 11° E	23	1642	30° 00	86°	84°	20	S S E	Calm
"	2 nd	3° 37'	107° 24'	S 11° E	62	1704	30° 00	83°	84°	21	S W	E S E
"	3 rd	4° 30'	107° 17'	S 6° W	54	1758	30° 00	85°	84°	22	S W	S S W
"	4 th	4° 40'	106° 58'	S 68° W	24	1782	30° 00	83°	84°	23	South	N S W
"	5 th	4° 59'	106° 41'	S 40° W	24	1806	30° 00	85°	84°	24	S S E	West to S S W
"	6 th	5° 20'	106° 12'	S 55° W	35	1841	30° 00	80°	83°	25	S W	S S W
"	7 th	5° 50'	105° 54'	S 33° W	34	1875	30° 00	80°	83°	26	S W	S W
"	8 th	6'				30° 00		82°	83°	27	S W	Calm
"	9 th	6° 34'	104° 30'	S 70° W	90	1965	30° 00	82°	82°	28	North	W to S E
"	10 th	7° 30'	102° 5'	S 66° W	150	2115	30° 00	80°	82°	29	S E	N S W
"	11 th	9° 10'	99° 3'	S 62° W	212	2327	30° 00	80°	81°	30	S E	S E

Commander from Los Olivos via Tampora towards New York.
 Tally Remarks 1854

N E	at 1 m Past Ludlow East nine miles. Fine breeze with rain showers.
N N E	Moderate - Fine breeze - Strong breeze with heavy rain.
S S W	Equally with much rain. Heavy rain & calm. Moderate.
North	Moderate from S E - Land breeze from west - Light air. 3 mile current to South.
S W	Light - Throughout the night heavy squalls - double reef - But fresh breeze
N by S	Strong breeze & cloudy - strong breeze - but double reef.
S W by N	Heavy squalls - spent till in midnight & 1/2 past. Heavy squall.
S E W	at 1 m made all sail - Light moderate
Calm	Moderate - calm - calm -
East	Calm - Light air - Light breeze
E to S E	Light air & calm - Squall with much rain - Land breeze -
East	Light air & calm - at 1 m past 12 miles. Heavy rain.
E by S	Light air & calm - at 1 m past 12 miles. Heavy rain.
N to N N	Light & pleasant - am equally. Light air & heavy rain.
S to West.	Calm - Heavy rain - Moderate with rain
N to S W	Light breeze & equally. Calm. Light air.
S S E	Light air & calm - fresh squall from S. Calm.
S E	Calm - Moderate breeze - rain Light. Gaspas till 1/2 past. 1 mile.
E S E	Light - calm Light.
S W	Light - at 1 m passed Table told. Light. Equally.
N N W	Moderate & equally. Fresh current 2 miles north. with thick weather.
Calm	Thick & rainy. Light air. Moderate & baffling, moderate & pleasant.
S W	Light - heavy squall. Fresh. have too for daylight. trilled to sail to the Tableland during the night.
S W to S	at noon N Watcher S by E 10 miles. Strong breeze, cooling down
S W	Fresh double reef breeze from S W. at daylight made sail for Anger. ^{in company} 3 miles
S W	Moderate breeze - calm. Light breeze.
North	Light - at 1 m got underweighs. 1 am Prince Sid Luth. baffling
S E	Light breeze.
S E	Moderate - equally Moderate with heavy rain.
S E	1st part very heavy rain. Strong S E Breeze.

Abstract Log of Ship Jacob Bell. Capt. J. Low

1857

Date	Lat	Long	Course	Dist	^{Whole} Dist	Bar	Dir	Water	^{Days} Out	^{Days} Port	Wind
	South	East									
Nov 12	10° 45'	44° 26'	S 71° W	300	2627	30° 10'	88°	81'	31	S E	S E
" 13	12° 39'	89° 35'	S 69° W	300	2927	30° 10'	86°	80°	32	S E	S E
" 14	14° 6'	85° 45'	S 67° W	249	3176	30° 10'	86°	79°	33	S E	S E
" 15	15° 32'	82° 53'	S 66° W	205	3384	30° 15'	82°	79°	34	S E	S E
" 16	16° 44'	79° 32'	S 67° W	185	3569	30° 15'	81°	79°	35	East	E N E
" 17	17° 58'	76° 41'	S 66° W	170	3739	30° 15'	80°	77°	36	East	E N E
" 18	19° 7'	73° 4'	S 62° W	225	3964	30° 15'	78°	76°	37	East	S E
" 19	20° 7'	68° 57'	S 75° W	234	4198	30° 20'	78°	77°	38	S E	South
" 20	21° 25'	65° 14'	S 70° W	222	4420	30° 20'	78°	77°	39	South	S E
" 21	22° 31'	62° 46'	S 68° W	184	4574	30° 20'	78°	77°	40	S E	S E
" 22	23° 3'	60° 55'	S 67° W	108	4682	30° 15'	80°	78°	41	E N E	E N E
" 23	23° 52'	59° 44'	S 67° W	76	4758	30° 20'	80°	78°	42	North	N W
" 24	24° 2'	58° 39'	S 62° W	70	4828	30° 20'	88°	78°	43	N N W	calm
" 25	25° 26'	55° 46'	S 62° W	184	5012	30° 00'	82°	78°	44	N N by W	N N W
" 26	26° 37'	53° 50'	S 65° W	170	5182	30° 10'	80°	77°	45	N N W	N N W
" 27	27° 35'	48° 24'	S 76° W	260	5442	29° 50'	83°	76°	46	S E	East
" 28	29° 34'	46° 54'	S 33° W	145	5587	29° 90'	78°	72°	47	N N W	N E W
" 29	27° 36'	45° 52'	N 23° W	124	5711	30° 00'	78°	76°	48	West	West
" 30	26° 58'	43° 18'	N 74° W	150	5861	30° 20'	76°	77°	49	S W	S W
Dec 1	26° 32'	40° 05'	N 52° W	180	6041	30° 25'	72°	75°	50	S W	S W
" 2	27° 54'	36° 48'	S 65° W	195	6236	30° 25'	75°	75°	51	South	S E
" 3	29° 55'	33° 43'	S 55° W	200	6436	30° 15'	73°	76°	52	N E	N E
" 4	30° 57'	30° 55'	S 64° W	170	6606	30° 10'	78°	73°	53	S W	S E
" 5	33° 9'	29° 33'	S 31° W	142	6748	30° 00'	72°	72°	54	E N E	N E
" 6	33° 43'	27° 28'	S 71° W	112	6860	29° 50'	76°	72°	55	S S W	calm
" 7	34° 38'	26° 26'	S 44° W	80	6940	30° 15'	72°	72°	56	E N E	West
" 8	34° 54'	22° 32'	S 85° W	204	7144	30° 00'	72°	70°	57	S E	S E
" 9	35° 5'	21° 55'	S 68° W	30	7174	30° 20'	72°	70°	58	calm	N W
" 10	35° 5'	20° 41'	N 84° W	60	7234	29° 90'	68°	67°	59	S E	S E
" 11	35° 2'	18° 43'	N 88° W	100	7334	30° 00'	72°	67°	60	East	S W

Commander John P. L. Howe via N. Hampton to New York 1889

Trails

Remarks.

- S E Strong trades & fine weather.
- S E " " " "
- S E Moderate " " " "
- East " " " "
- East " " " "
- East Moderate - high sea - Light - in am passed Ship "mender"
- S S E Moderate & fine. Fresh breeze - Fresh & good at 4 am. Calm fine
- South Fresh trades & fine.
- S E Moderate " " " "
- East " " " "
- N E Light breeze & pleasant. Moderate from N E. Light S.W. ^{at 10 miles} set starboard
- N E N Light & drifting
- N E Light air & calm - Light breeze. High swell from N. fine sea weather
- N E Light & clear - Fresh N.E. breeze with passing clouds.
- South Fresh breeze - Light breeze -
- N N W Fresh breeze - calm in afternoon. Wind East high sea. Through the night fresh & cloudy - wind backing gradually to the north. Ends fresh S.E. breeze.
- N N W Moderate - Fresh breeze & high sea. Swell with a fair breeze.
- West Fresh breeze & high sea. Moderate with smoother sea & fine weather.
- E N S.W. S.W. & sunny - Fresh with turbulent sea. Moderate breeze.
- S by N Fresh N.E. breeze & high sea. Moderate breeze.
- E N E Moderate breeze & fine.
- S N Fresh breeze & fine. 1 am cloudy 7 am wind shifts to E N.
- E N E Moderate with head sea. Light breeze
- N. S S W Fresh & clear - 4 pm squally in the west. South sea squall with sharp light 11 pm strong breeze from west. Current 7 miles E N.
- E N E Fresh - Calm - Moderate. Wind shift West 3 ft.
- South 2 pm Wind west. 4 pm head gale. High swell mainmast 10' & 12' under forest aft main & mizen & foremast. Ends moderate with breeze down sea.
- Calm Moderate with heavy sea. Calm calm. Current 7 miles to the west.
- Calm Calm Fresh. Calm no current.
- S E Light breeze & pleasant.
- West Light - 8 pm Cape Aguhas, North 10' 12' miles. 11 pm wind backed to E N. ends fresh to Calm breeze with rain squalls.

Abstract Log of Ship 'Jacob Bell' *Wm. P. Low*

1869	Lat.	Long.	Course	Dist.	Whole Dist.	Bar	Air	Water	Days out	Wind	Middle
	South	East									
Decr 13 th	33° 21'	15° 32'	N 88° W	196	7480	30° 20'	65°	66°	61	West	W S W
" 13 th	31° 47'	12° 22'	N 60° W	158	7715	30° 20'	72°	65°	62	W S W	W S W
" 14 th	29° 46'	8° 57'	N 52° W	216	7934	30° 20'	74°	64°	63	W S W	S S W
" 15 th	27° 56'	6° 2'	N 52° W	180	8114	30° 20'	70°	64°	64	S E W	South
" 16 th	26° 24'	3° 7'	N 62° W	188	8302	30° 30'	71°	70°	65	S E	S E
" 17 th	24° 42'	0° 18'	N 57° W	198	8500	30° 30'	74°	71°	66	South	South
" 18 th	23° 6'	1° 32'	N 44° W	135	8635	30° 20'	74°	71°	67	S E	S to S E
" 19 th	21° 52'	2° 53'	N 42° W	102	8737	30° 20'	76°	72°	68	S E	S E
" 20 th	20° 58'	3° 57'	N 42° W	86	8817	30° 20'	76°	72°	69	South	S E
" 21 st	19° 52'	4° 51'	N 33° W	100	8917	30° 20'	78°	72°	70	S S E	S S E
" 22 nd	18° 13'	6° 18'	N 48° W	112	9029	30° 20'	78°	73°	71	S E	S S E
" 23 rd	16° 44'	7° 55'	N 48° W	120	9149	30° 20'	78°	75°	72	S S E	South
" 24 th	15° 46'	10° 4'	N 59° W	142	9291	30° 20'	76°	72°	73	S E	S S E
" 25 th	14° 13'	12° 26'	N 64° W	154	9445	30° 20'	77°	73°	74	S E	S S E
" 26 th	13° 45'	14° 41'	N 64° W	148	9593	30° 20'	76°	74°	75	S E	S E
" 27 th	12° 43'	16° 36'	N 62° W	128	9721	30° 20'	76°	76°	76	S E	S E
" 28 th	11° 47'	18° 55'	N 62° W	150	9871	30° 15'	80°	76°	77	E S E	East
" 29 th	10° 20'	21° 1'	N 56° W	154	10025	30° 10'	80°	77°	78	E S E	E S E
" 30 th	7° 59'	23° 46'	N 49° W	212	10237	30° 10'	81°	78°	79	East	S E
" 31 st	5° 33'	26° 30'	N 50° W	224	10461	30° 10'	82°	79°	80	S E	S E
1860											
Jan'y 1 st	3° 23'	28° 55'	N 44° W	190	10651	30° 10'	86°	79°	81	E S E	S E
" 2 nd	1° 22'	30° 54'	N 44° W	178	10829	30° 00'	85°	79°	82	S E	S S E
" 3 rd	0° 39'	32° 40'	N 38° W	160	10984	30° 10'	85°	81°	83	S S E	S S E
" 4 th	2° 44'	34° 15'	N 38° W	162	11151	30° 10'	88°	82°	84	S S E	S E
" 5 th	4° 25'	36° 10'	N 50° W	152	11303	30° 10'	84°	82°	85	S S E	N E
" 6 th	6° 30'	38° 20'	N 50° W	180	11483	30° 10'	80°	78°	86	S E	E S E
" 7 th	8° 24'	41° 28'	N 60° W	216	11699	30° 10'	78°	75°	87	N E	N E
" 8 th	10° 52'	45° 24'	N 56° W	276	11975	30° 10'	82°	79°	88	N E	N E by E
" 9 th	12° 58'	49° 00'	N 60° W	240	12215	30° 10'	82°	78°	89	E S E	E S E
" 10 th	15° 39'	52° 32'	N 50° W	260	12475	30° 10'	82°	77°	90	E S E	E S E

Commenced from Foo Chow via Whampoa towards New York 1859

Dialer	Shipmaster	1860
W S W	5 PM Cape of Good Hope bar 10 by 10 miles. 10m signalled Eng. ship Y & CA 12 days from Sunday on Liverpool.	
W S W	Moderate throughout with fine weather.	
South	" " " " "	
S E	Moderate & baffling - cloudy.	
S E	Fine breeze & pleasant.	
S E	Fine breeze - moderate.	
S E	Moderate - Light - light & baffling.	
E S E	Light & baffling.	
East	" " " " "	
S E	" " " " "	
S E	Light trades & pleasant.	
S E	" " " " "	
S E	" " " " " commenced raining quarter deck	
S E	Moderate trades " "	
S E	" " " " "	
E S E	Light " " "	
East	" " " " "	
S E	" " " " "	
S E	Fine breeze " fresh breeze.	
E S E	" " " " "	
S E	" " " " " fresh squall ship 'Ninco' started in.	
S E	" " " " " passed a ship on brig.	
S E	Moderate " High swell from N & E.	
S E	Pleasant trades. 11 AM fresh squall from E to N. E. Squally & baffling.	
S & South	Squally. wind veering from E to East. Fresh squalls with much ice.	
E S E	Moderate & pleasant. squally with heavy rain. wind from E to N.	
N E	1 PM took N E trades. Fresh breeze throughout.	
E N E	Fresh trades with heavy weather. Moderate.	
E N E	Moderate breeze veering to S winds. strong trades.	
N E	Fresh trades & fine.	

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Abstract Log of Ship "Jacob Bell" Chas. F. Low

1860

Date	Lat	Long	Course	Dist	Whole	Bar	Air	Water	Days out	Port	Middle
June 11	18° 22'	56° 30'	N 52° W	290	12765	30° 20'	82°	78°	91	NE	NE
" 12	21° 6'	60° 29'	N 55° W	280	12848	30° 30'	82°	78°	92	NE	NE
" 13	23° 39'	63° 27'	N 50° W	230	13275	30° 40'	80°	77°	93	E N E	E N E
" 14	26° 8'	66° 27'	N 44° W	215	13493	30° 40'	80°	76°	94	E by N	E by N
" 15	28° 31'	68° 20'	N 36° W	174	13667	30° 30'	82°	74°	95	East	SE
" 16	30° 43'	69° 35'	N 26° W	154	13831	30° 30'	80°	72°	96	South	South
" 17	33° 30'	71° 11'	N 25° W	180	14001	29° 60'	70°	69°	97	S by W	S by W
" 18	32° 26'	71° 55'	S 88° W	22	14023	30° 10'	70°	69°	98	S by W	N W
" 19	30° 8'	72° 30'	N 25° W	114	14137	30° 00'	56°	70°	99	S by W	N W W
" 20	35° 21'	72° 28'	North	14	14151	30° 30'	56°	71°	100	N by W	N W
" 21	37° 36'	70° 32'	N 11° W	260	14411	30° 30'	45°	50°	101	N by W	N W
" 22									102		

Commander from Foo-Chow via Whampoa towards New York. 1859

Tatter

Remarks.

1860

N E

Strong Trades & fine weather

E N E

Fresh " " "

E N E

Fresh " & squally. Moderate & fine.

E by W

Moderate trades & beautiful weather.

South

Moderate & pleasant. 3 a m wind S E & South, light rain squalls. Ends pleasant

South

Moderate with cloudy hazy weather. Ends moderate breeze.

S W

Light breeze - 5 P m heavy cloud from N E but no wind. 8 P m moderate from S E.

N W

Midnight fresh breeze with rain squall. double reefed. Ends strong breeze & bad looking weather. 2 P m more ship to S E. 4 P m sudden shift to N W. with heavy squall. Ship here too. midnight moderate with heavy sea. Ends calm.

N N W

Light airs. 8 P m strong breeze. double reefed. 1 P m watch hard squalls of rain. at midnight until the Gulf. heavy squalls. furled mainsail & 1 spanker. 8 a m more ship.

N N W

Commences Hard Gale. 10 P m more moderate. Ends brisk breeze from N W & fine

West

Fine breeze & clear weather -

4 P m took a Pilot. at daylight took a tug at noon hauled along side the Wharf 102 days from Macao

This concludes my 16th voyage as Master
 " " " 17th " " to China
 " " " 22nd " " to Sea

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